

WHAT IS CLAIMED IS:

1. A dental diamond bur wherein grains of diamond having an average diameter of 0.01 to 50 μm are attached to a head of the bur body with a plated metal layer containing grains of a fluorine compound that are almost uniformly dispersed and have an average diameter smaller than that of the diamond.
2. A dental diamond bur as claimed in claim 1, wherein the volume fraction of the grains of the fluorine compound in the plated metal layer is 0.1 to 60 %.
3. A dental diamond bur as claimed in claim 1 or 2, wherein the plated metal layer is a plated nickel layer and the layer further contains 0.1 to 15 % by weight of a phosphorus compound.